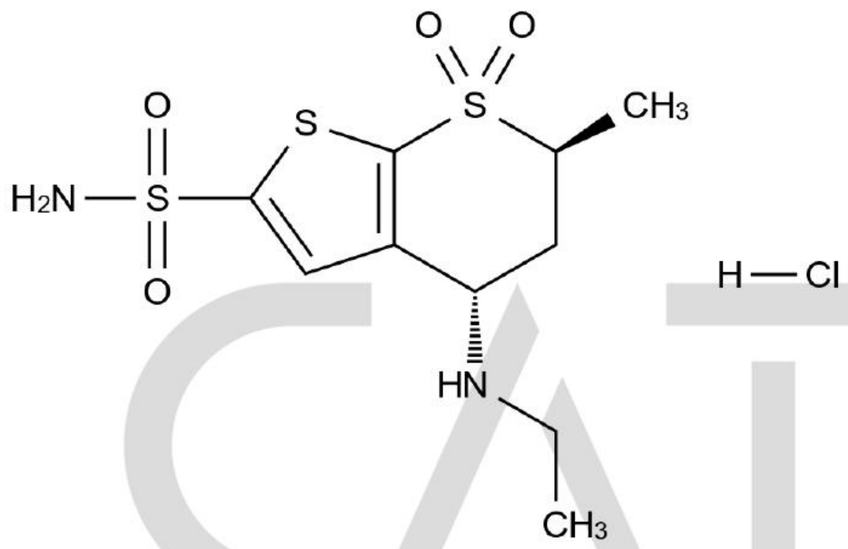
Certificate of Analysis

Reference Material & Standard

Product Name:	Dorzolamide Hydrochloride	**Catalogue Number:**	C4X-122819
Synonyms:	N/A	**Lot Number:**	1122-RH-0075
CAS Number:	130693-82-2	**Expiry Date:**	Nov 24, 2028
Molecular Formula:	$C_{10}H_{16}N_2O_4S_3$ HCl	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	324.44 36.46	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Water		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.908%
Residue on Ignition	TGA	0.9535%
Loss on Drying	TGA	0.0038%
Assay	qNMR	99.4%
Assay (Assigned Value)	Mass Balance	99.0%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice — Date: Nov 25, 2026

Reviewed by: Koi — Date: Nov 25, 2026

Approved by General Manager: David — Date: Nov 25, 2026

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